







# LYCOMING

SECOND CLASS POSTAGE PAID AT  
WILLIAMSPORT, PENNSYLVANIA 17701

COLLEGE REPORT

APRIL 1973/Volume 26, Number 4



Dr. R. Andrew Lady

LAB 213

a special  
welcome

## Alumni Day · 1973

### ALUMNI DAY 1973

All of us at the college look forward to greeting you on Alumni Weekend, May 4, 5 and 6. Under our new academic calendar, graduation is held this year on May 6th.

Reserve the date now and plan to return to the campus for an enjoyable weekend — meet old friends, and re-live some of those memorable days on campus. An interesting program has been arranged by your Alumni Day Committee.

Don Nolder '66, Chairman  
Jack Parsons '62  
Raymond Miller '58  
Carolyn Durrwachter '62

Marshall Sanders '36  
Martha Kirk '62  
Bonnie Huxey '68

### FRIDAY, MAY 4

8:00 A.M. Tee Off - Seventh Annual Alumni-Faculty Golf Tournament - White Deer Golf Club (Route 15 six miles south of Williamsport)  
1:00 P.M. Registration Fee: \$5.00 (includes greens fee and tournament fee)  
Reservations for golf tournament must be received by May 2 - Non-golfers are also welcome. Lunch available at the club.

8:00 - 10:00 P.M. Old Films of the Campus. We now have three large reels. You may be the star! Continuous showing in Burchfield Lounge. Punch Table!

10:00 A.M. to 12:00 Noon REGISTRATION - Academic Center, Pennington Lounge - Coffee & Doughnuts (Some members of the faculty will be present to greet Alumni)

10:30 - 11:45 Choir Rehearsal for all Choir Alumni D-001 - Academic Center

11:00 A.M. Sky Show - Detweiler Planetarium

12:00 Noon BRUNCH - Wertz Student Center (College Dining Room)

12:45 P.M. ANNUAL BUSINESS MEETING Room 8-207 - Academic Center (Immediately following the Alumni Luncheon)

### SPECIAL PRESENTATIONS:

1:30 P.M. Demonstration in The Crafts - Eveland Max Amehg '57, Instructor in Art

2:45 P.M. "The Typists" by Murray Schisgal Arena Theater  
Glen Mohr '73 and Mari Holmes '73  
Directed by Elinor Jones '73

FOR RESERVATIONS CALL - 717 326-1951 EXT. 220

4:00 P.M. CLASS REUNIONS - Rooms assigned on 2nd Floor of Academic Center or announced.

6:00 P.M. ALUMNI BANQUET - Wertz Student Center (College Dining Room)

8:30 P.M. The Lycoming College Choir Concert (Clarke Chapel)

### SUNDAY, MAY 6

10:45 A.M. BACCALAUREATE SERVICE Pine Street United Methodist Church  
Speaker - Dr. Harold H. Hutson  
President, Lycoming College

2:00 P.M. COMMENCEMENT - Flag Court (in case of rain - Williamsport Senior High School Auditorium)

"A Special Welcome" to our Reunion Classes:

1913 - 60th	1933 - 40th	1953 - 20th	and
1918 - 55th	1938 - 35th	1958 - 15th	1972
1923 - 50th	1943 - 30th	1963 - 10th	1st
1928 - 45th	1948 - 25th	1968 - 5th	

(We also urge the classes on both sides of the reunion classes to return)

### CAMPUS NOTES

#### INTERNSHIP PROGRAM APPROVED -

In order to expand the learning opportunities for Lycoming students and to encourage them to relate their on-campus academic experiences more directly to society in general and to their post-baccalaureate objectives in particular, the faculty has approved the concept of Student Internships. Departments will be encouraged to develop internships for their major students. Any junior or senior who has declared a major will be able to petition the major department for approval to enroll in an internship for a maximum of four unit courses of credit. An academic director at Lycoming and an agency supervisor at the place of internship will be assigned for each intern. Guidelines for program development, assignment of intern tasks, consultations, and academic requirements such as exams, papers, reports, grades, etc. are being established.

FOUR CHEMISTRY MAJORS presented papers at the recent Symposium of Senior Independent Study Papers sponsored by the

chemistry department. Topics included: David M. Farrell, Bloomfield, Connecticut, "Synthesis of Some Tropane Alkaloid Related Compounds"; Ted L. Masimore, Glen Rock, "Analysis of Mercury by Flameless Atomic Absorption"; Roy Smith, Milton, "Kinetics of Nucleophilic Aliphatic Substitution in Alkyl Benzene Derivatives"; and Paula Turnbaugh, Williamsport, "Spark Source Mass Spectrometry in Copper Archeology".

SALLY F. VARGO, assistant professor of physical education and women's tennis team coach, discussed "Interscholastic Athletics for Women" at the annual meeting of the Pennsylvania Senior High School Athletic Directors. DAVID G. BUSEY, director of athletics and golf coach, spoke on "Intramurals in the High School".

OUTSTANDING COLLEGE ATHLETES OF AMERICA - 1973 lists ten Lycoming athletes: Steve Cogan and Rich Henninger - basketball, Vincent Joy - football, Lloyd Cober - golf, Curtis Belton and Jeff Gettler - soccer, Sarah Sharkey - swimming, Sandra Earl - tennis, Bruce Sale - tennis, Dave Webster - wrestling.

The first intercollegiate match played on the new tennis courts constructed last fall on the east end of College Field ended just as every coach believes it should, with a victory. Coach Nels Phillips' netters wrote the opening chapter for the school records with an easy 8-1 victory over Scranton. Shown is one section of the eight-court facility with two Warrior doubles teams preparing to begin competition with the Royals.

Techniques to improve Warrior basketball's shooting and ballhandling abilities featured several post-season seminars conducted by Allentown's Hank Slider. Widely acclaimed for his basketball proficiency, Mr. Slider has helped polish the court performance of some of the nation's top professional basketball players. However, most of his sessions are conducted for teams from junior and senior high schools. His appearance, through the courtesy of Bethlehem Steel Corporation, was arranged by Lycoming grad William Pearson ('67), industrial relations assistant at the firm's Williamsport plant.

JOHN G. HOLLENBACK, associate professor and chairman of business administration, spoke to four Hughesville High School classes on "Careers in Business".

JAMES HUMMER, professor and chairman of chemistry, and WILLY SMITH, associate professor of physics, served as judges for the 18th Annual Susquehanna Valley Science and Engineering Fair at Bucknell.

EDUARDO GUERRA, on sabbatical as professor and chairman of religion, gave a series of lectures on "Biblical Ethics" in Guatemala at the Episcopal Theological Seminary which prepares Episcopal priests to serve in Central and South America.

LYCOMING TODAY CONTINUED - In the February issue a new Lycoming Scholar brochure and part of a new admissions brochure were reproduced to give our readers current information about Lycoming. The "inside pages" of the Lycoming is A Personal College brochure reprinted inside portray some of the special things that make the College a unique institution. Copies of the original brochures are available on request to the editor.



## ORIENTATION

The orientation program at Lycoming is a unique family experience designed to help the student entering college for the first time to start this new adventure under the most favorable circumstances. An entirely new concept of courses, class scheduling, and methods of instruction must be assimilated. Adjustments to this new experience are important.

In order to prepare you for the beginning of this experience, Lycoming schedules six to eight orientation sessions each lasting two and one-half days during the summer. Though each new student is required to attend one of these sessions accompanied by at least one parent, many whole families (both parents, brothers, and sisters) attend at a very nominal cost for room and board.

The summer program makes it possible to schedule ample time for academic advisement, placement testing, library orientation, and registration. The college is able to work more satisfactorily with you in planning programs of study tailored to your vocational and academic interests. You complete all preliminaries, including registration, during the summer orientation period. Textbooks are available for purchase and perusal prior to the opening of classes in the fall.



*"A real learning experience awaits you at Lycoming, but only if you are willing to put forth the effort."*

## SPECIAL OPPORTUNITIES

To complement the wide variety of courses offered and the various majors available, many special opportunities exist at Lycoming to further individualize your education.

### MAY TERM

Each year a unique *May Term* provides Lycoming students and other interested persons with a challenging array of approximately fifty specially designed courses for the four-week term. May 1972 included non-traditional courses with such diverse topics as utopias in America, occult phenomena, oceanography, spelology, and the noble savage. A number of courses involved domestic and international travel.

Newly designed courses ranged from a "Seminar in Bioethics" through "Color Theory" to "Managing the Small Business." Courses involved hiking the Appalachian Trail to study how survival, analyzing a tri-cultural community in New Mexico, experiencing Russian culture first-hand in Moscow and other cities, and studying current management theory and practice on a European tour. Each *May Term* exciting new courses are generated from student and faculty ideas.

### INDEPENDENT STUDY

Each department offering a major provides an opportunity for students to work independently with the consent of the department chairman and the instructor. The opportunity for such study is available to qualified students who have successfully completed courses comprising the core of a major.

### SEMINAR STUDY

Individual departments often organize small classes or seminars for students interested in subjects or topics not regularly a part of the department's course offerings. Occasionally visiting professors and lecturers participate in such special seminars.

*Departmental Honors* can be earned by you if you successfully complete a thesis and defend it in a final oral examination. Acceptable theses are deposited in the College library.

## WHAT IS A "MAJOR" AT LYCOMING?

A major at Lycoming is an opportunity to study in an area of particular interest, understand it in greater depth, and relate yourself to it more fully as you achieve greater competence in the field. At Lycoming, the major can be the nucleus around which you structure a greater understanding of your world.

Choosing a major at Lycoming is in itself an adventure. There are eighteen Departmental Majors to choose from, and any two can be combined for a Double Major. There also are four Established Interdisciplinary Majors. Or you can take the initiative and design a unique Individual Interdisciplinary Major involving two or more departments.

### INTERDISCIPLINARY MAJORS

#### INDIVIDUAL INTERDISCIPLINARY MAJORS

A few words can describe what Individual Interdisciplinary Majors are, but the possibilities of subjects and fields that can be explored are limitless. You take the initiative to design a personal major involving two, three or more departments. In consultation with a faculty advisor, students have designed individual interdisciplinary majors in such diverse areas as American Civilization, Communication Arts, Environmental Law, Human Behavior, Behavioral Sociology, Urban Studies, and Images of Man.

#### ESTABLISHED INTERDISCIPLINARY MAJORS

There are four Established Interdisciplinary Majors involving two or more departments.

*The Accounting-Mathematics* interdisciplinary major is designed to offer, within a liberal arts framework, courses which will aid you in constructing mathematical models for accounting decision-making. You will obtain a substantial

background in mathematics and a good working knowledge in accounting.

*The Literature* major recognizes literature as a distinct discipline beyond national boundaries and combines the study of any two of these literatures: English, French, German, Russian, and Spanish. You can explore two literatures widely and intensively at the upper levels of course offerings within each of the respective departments while developing and applying skills in foreign languages. The major prepares you for graduate study in either of the two literatures studied or in Comparative Literature.



*The Near Eastern Culture and Archeology* interdisciplinary major is designed to acquaint you with the "Cradle of Western Civilization", both in its ancient and modern aspects. Integral to the program is participation as volunteers in an archeological excavation in Israel.

*The Soviet Area Studies* interdisciplinary major is designed to offer, within the framework of a liberal arts education, intensified study of the Soviet Union, communism, and related matters. The program enables you to acquire a broader perspective of the USSR than can generally be obtained within one discipline.

# LYCOMING COLLEGE

WILLIAMSPORT, PENNSYLVANIA 17701



### COURSE CREDIT BY EXAMINATION

There are two ways you can earn college credit at Lycoming by examination.

#### College Entrance Examinations

If you are entering as a freshman, have studied an advanced course while in secondary school, and have taken the appropriate advanced placement examination of the College Entrance Examination Board, you are encouraged to apply for credit and advanced placement. A grade of three or above is considered to be satisfactory.

#### College Level Examination Program (CLEP)

CLEP is a relatively new concept in American education which enables Lycoming to grant course credits for scores you earn on written exams conducted by the College Level Examination Program of the College Entrance Examination Board. You can earn up to fifty percent of the course requirements for a bachelor of arts degree through CLEP.

The objective of CLEP is to place you at your level of competence and help you gain academic credit for what you know and can do, without regard to how or where the competence has been acquired. Lycoming recognizes non-traditional learning acquired outside a formal classroom. Earning credit through CLEP gives you more flexibility in planning an individualized education. You can accelerate the earning of a degree, study a particular field in greater depth, or explore more areas of learning. Write for the "Advanced Placement" brochure for more information.

### LYCOMING SCHOLARS

The Lycoming Scholar Program challenges a selected number of imaginative, creative students who have the interest, ability, and discipline to design and complete a unique academic experience. The program is flexible, experimental, and innovative. You can be elected a Scholar before enrollment at Lycoming through interviews by faculty members and current scholars, or you can be selected after enrollment on the basis of your performance and interests.

### COOPERATIVE PROGRAMS

Lycoming has four formal cooperative programs in drama, engineering, forestry and medical technology. They provide an opportunity to combine a liberal arts education with specific career studies.

*Drama*—The American Academy of Dramatic Arts and Lycoming each recognize appropriate courses by the other institution. You can complete your degree work at Lycoming first and obtain advanced standing at the Academy, or you can graduate from the Academy first and then come to Lycoming. If, in the latter case, you also have completed two years of study at an accredited college or university, you can receive your Lycoming degree by completing two consecutive semesters in an academic year at Lycoming plus two summers at our Arena Theatre.

*Engineering*—In five years you can earn a bachelor of arts from Lycoming and a bachelor of science in engineering from either Bucknell University or Pennsylvania State University.





"You can get to know the college, your fellow students, and yourself better"

## INTERNATIONAL INTERCULTURAL STUDIES

The *Washington International Semester* provides a unique academic experience in international affairs within the milieu of a major world capital. You spend a full semester at the American University in Washington, D. C.

The *United Nations Semester* gives you a first-hand acquaintance with the United Nations in New York City. You attend a full semester at Drew University in Madison, New Jersey.

The *London Semester* acquaints you with the character of one of the principal sources of American law and politics. An exciting semester at London University is operated in conjunction with Drew University.

*Summer In The Near East* is a study and travel program of approximately two months which provides an extraordinary opportunity for on-site-field experience in archeological procedures through actual participation in archeological excavating work. Visits to antiquity sites and museums, lectures and papers on sites visited, and discussions of observed data also are included in the program held in conjunction with Hebrew Union College Biblical and Archeological School.

*Overseas Studies Opportunities* for you to attend foreign universities and receive full credit at Lycoming are numerous. Such study is particularly attractive to language students, but many programs are not specifically language oriented, and mastery of the foreign language is not required. The faculty coordinator of overseas study programs can help students use current information files.

"If you like to think and create, try out for Lycoming's Scholar Program. It's great, and so is Lycoming"

You will complete your work at Lycoming in three years then spend two years studying chemical, civil, electrical, or mechanical engineering at Bucknell or aeronautical, civil, electrical, industrial, mechanical, or sanitary engineering at Penn State.

*Forestry*—In cooperation with the Duke University school of Forestry, you can earn a bachelor of arts from Lycoming and a master of forestry or master of science from Duke. You spend three years at Lycoming and then five semesters at Duke studying a particular field in the forest science area or in the forest resource administration area.

*Medical Technology*—In four years you can earn a bachelor of arts at Lycoming, usually as a biology major, and also complete a medical technology clinical internship at Williamsport Hospital, Divine Providence Hospital, Robert Packer Hospital, Lancaster General Hospital, or Abington Hospital. If you prefer, you can first earn a degree in any Lycoming department and simultaneously satisfy American Society of Clinical Pathologists and clinical internship admission requirements to attend the hospital of your choice.

*Teacher Certification*—At Lycoming you can prepare to teach elementary or secondary school children from a liberal arts background. You will complete a liberal arts major and also requirements for certification as an elementary teacher or as a secondary teacher of biology, chemistry, communication, English, French, general science, German, mathematics, physics, Russian, social science, or Spanish. The Williamsport area public schools are used for observations, participation experiences, and practice teaching.

The *Washington Semester* will give you a first-hand acquaintance with various aspects of the nation's capital. If you have a special interest in political science, American government, or law, you may be able to attend The American University in Washington, D. C. for a semester.

"Today Lycoming has much to offer to anyone who is willing to accept the challenge"

## CLASS news

1945

CHARLES D. KARNIS is presently performing the adjunct job of the American Legion in Mathews, Va. He also continues his position as an official photographer for Boys' State. He has been a member of the staff in Virginia and Florida for over 30 years. He recently sent a card to all members of the Class of 1915 and is hoping for a response. He sent along this fine quote, "The difference between an old person and a young person is the time of starting".

1928

MARGARET CORNELI MACNAS is active President of the Municipal Historian of New York, District VI. She is on the following boards: Susan B. Anthony Memorial; Rochester Museum and Science Center Women's Council; Monroe County Bicentennial and the Inner-Museum Council. She has written on Brighton History and "The Flower Children Communicate" in "New York Folklore". She lives in Rochester, New York.

1944

BLANCHE BECK BRITT is living in Alabama where her husband, Charles, is senior minister of the Auburn United Methodist Church. She works as co-ordinator of Christian Education and is enjoying studying painting at Auburn University. The Britts have a son and two daughters.

1959

RAYMOND C. MILLER has been named assistant director of actuarial services, Mathematical Department, in the home office of the Massachusetts Mutual Life Insurance Company. He had been senior mathematical analyst since 1969. He is chairman of the Board of Finance of First Congregational Church in East Longmeadow and a member of the Red Cross Nine Gallon Donor Club. Ray is also active in bowling and golf leagues. He and his wife have two children.

## CLASS news

### NECROLOGY

1900 — In our Philadelphia Teletone, we learned of the death of DR. WALTER E. FINE who had lived in Ambler, Pennsylvania.

1903 — EFFA SEELY LAUBACH (Mrs. Frank C.) died March 29, 1973. She was born December 25, 1882. With her famed husband, she traveled the world as a missionary. Their literary program "Each One Teach One" has been responsible for countless numbers of people learning to read and write. Laubach Literary, Inc., has 11,500 active volunteers in the U. S. A. and about 50,000 in eight developing nations. Mrs. Laubach had continued as a member of the Board of Trustees and Treasurer of the corporation. She was "Outstanding Alumnus of the Year" at Lycoming in 1968. She is survived by a son and four grandchildren. Burial was in Benton, Pennsylvania.

1907 — Mail was returned marked "deceased" for ETHEL LAWTON SHIFF. She had been living in Sunbury, Pa.

1914 — Word was received of the death of ELLEN D. REED of State College, Pennsylvania. Born March 21, 1895, she died March 18, 1973. She was a retired school teacher.

1915 — Word was received of the death of BERNICE BEYER BROWN. She had been living in Clearfield, Pa.

1916 — Mail was returned marked "deceased" from GERALDINE HUNTLEY KESSLER. She had been living in Port Charlotte, Florida.

1918 — ZERBAN B. SUTLIFF died in New Port Richey, Florida, April 6, 1973. He was 75 years of age. Burial was in Shicklesburg. He, at one time, was chief tool designer for Ford Motor Company in Detroit.

1919 — ELIZABETH SCOLLON LEONARD died on April 20, 1972. She is survived by her daughter NANCY LEONARD HESS '64.

1919 — H. RAY RACHAU died March 25, 1973, in Florida. He is survived by his wife, Hazel. They lived in Williamsport, but spent their winters in Florida.

1923 — MAHLON D. HURLBERT, SR. died March 21, 1973, following a heart attack suffered a few days earlier. His son and namesake is a member of the Class of 1952, and his sister, TWILA HURLBERT WILLSON is from the Class of 1920. Rev. Hurlbert lived in Delmont, Pa.

1927 — HELEN SEAMAN MARSH died December 24, 1972. She had been retired from teaching since 1966 and was living in Bridgeport, New York. She had taught in Glen Cove, New York, for nearly 20 years.

1928 — BRUCE R. CLEAVER, age 65, died March 24, 1973, at his home at Allwood, R.D. #1. He has been a minister for 25 years and was serving the Elkinsport United Methodist Church at the time of his death. He is survived by his wife, three daughters and a son.

1929 — SYLVIA BIERLY BASTIAN, wife of Rev. Clyde C. Bastian, died November 12, 1972, in Williamsport.

1934 — VERA LYONS BOWSER, age 56, died January 3, 1973, after being stricken at her home in South Williamsport. A former school teacher, she is survived by her husband and one daughter.

1937 — MARCUS W. RANDALL, who was serving as pastor of First United Methodist Church, Berwick, died April 5, 1973, at the age of 59. He was the originator and coordinator of the United Nations Seminar sponsored by the Central Pennsylvania Conference. He is survived by his wife and two daughters.

1948

DAVID R. MANEVAL is a science advisor for the U. S. Government's Appalachian Regional Commission and works primarily on environmental conditions in the 13 Appalachian states. With his wife, Lyne, and their four children, ages 15-21, they live in State College, Pa.

1952

Rev. JOHN D. O'NEILL, pastor of the Phoenixville, Pennsylvania, United Methodist Church, was elected to the Board of Trustees of the Ocean Grove Camp Meeting Association.

1958

OSCAR M. OSTLUND, JR. has accepted a position as Copy Editor for the Cincinnati Enquirer.

E. NOEL FADDIS and his wife, NANCY LEE BURR '56, live in Pensacola, Florida, with their four children. He is Vice President of Realty Marts International, Inc., in partnership with his brother. They employ thirty in real estate sales.



Raymond C. Miller



David R. Maneval

1938 — WALLACE J. CUMMINGS died November 10, 1972, in Harrisburg. He was associate pastor of Grace United Methodist Church, Harrisburg. He was 63 years of age. In recent years, he was very active in drug rehabilitation work and he founded Harrisburg Teen Challenge and The Bethany House Center, both for drug rehabilitation. He is survived by his wife and two daughters.

1940 — Word was sent to the Alumni Office of the death of EARL W. PADGETT. He had lived in Bridgeton, N.J.

1940 — JEAN STEWART HOUSEL died November 23, 1972, following a long period of illness. Until that time, she was interested in music and taught piano, accompanied groups and performed piano solo. She was a member of various choirs including the Myra Bates Choral Group. Jean is survived by her husband, Richard, a son and a daughter.

1951 — STUART E. KANE, JR., age 49, died suddenly of a heart attack on March 3, 1973. Stu was commanding officer of the Air Force ROTC program at Penn State University since last September and was professor of Air Force Aerospace Science at the university. He is survived by his wife, Helen, his mother, three brothers (one is HERB KANE '60) and one sister. He held the rank of Colonel.

1953 — C. DANIEL LITTLE, age 41, died on March 26, 1973, following a lengthy illness. At the time of his death, he was executive assistant to Congressman Schneebeli. He was a former faculty member of Lycoming's Political Science Department for six years. He is survived by his wife, two sons and one daughter living in Picture Rocks, Pennsylvania.

1956 — The body of ROBERT D. METHERELL was found March 30, 1973, in the wreckage of his small plane near Elko, Nevada. He had been a resources management specialist for the National Park Service, stationed in Cedar City, Utah. He had been missing since February 7th when he realized that the weather had become bad. He was never heard from after the crash. He is survived by his wife, the former Conale Hild of Montourville and by two sons and one daughter.

1968 — DR. ROBERT S. CLIPPINGER died December 30, 1972, following a stroke suffered December 21st. He received his Doctor of Divinity Degree from Lycoming, and had been the beloved organist and choirmaster at Grace United Methodist Church for the past 27 years. His wife, Dorothy, daughter, Barbara, and two sons, James and J. Rodenick survive.

1969 — Word was received of the death of WAYMAN MCCOO. Wayman had transferred from Lycoming to Los Angeles City College in 1968. Recently, he had been in personnel work along with his sister in Africa. At Lycoming, he was a member of the Swim Team.

1971 — An auto accident claimed the life of DAVID F. HINE-BUTLER on February 24, 1973, near Carroll, Maryland. He is survived by his parents in Curwensville, Pa.

1972 — DAVID HARPER GEORG, age 27, died April 10, 1973. A Vietnam veteran, he was granted a medical disability retirement from the Army in 1968. During his service, he was awarded two Purple Hearts for wounds received in action and the Army Commendation Medal. He is survived by his wife, the former Edith Greene, two sons and his parents.

1974 — JOHN T. REGENER, age 20, a student, died March 30, 1973, in the University of Pennsylvania Hospital Burns Center. John sustained severe burns in an apartment fire in Williamsport on February 21st. He was a philosophy major from Coatsville, Pennsylvania.

**PAT L. HEPBURN** is Pastor of the First United Methodist Church in Towanda, Pennsylvania, where he lives with his wife, Eleanor, and their two children, Mark and Robin. He has served in the Central Pennsylvania Conference of United Methodist Churches since 1956. Last summer he held a 45 mile "Walk for the Hungry" in the northern tier counties.

**MARLEN L. RINDHIMER** has been named director of home life for the United Methodist Home for Children, Inc., at Mechanicsburg. He is a professional aide from the National Bureau of youth work at the United Methodist Church in Girard.

**MARTIN L. HARTMAN** has been hired as supervisor of Vocational Education in Jefferson County - Dubois Area Vocational-Technical School Committee. He wrote the first Manpower Development and Training Program in the state. Presently enrolled in a doctoral program, he has been an instructor in vocational education at Penn State for the past four years.

**HAROLD E. BOWER** has been promoted to sales supervisor of International Harvester's industrial equipment district in Albany, New York. He lives in William Lake, New York.

**JENNIS JACOBS** and his wife, the former Lillian Dine-Pratt, announced the birth of Kimberly Brooks, born March 3. They live in Freehold, New Jersey.

**WAYNE C. BASTIAN** had additional graduate work at Bucknell University, Salisbury State and University of Delaware. He is presently employed as the principal of Delmar High School, Delmar, Delaware.

**MARTHA HICKERSON KIRK** is accompanying her husband, David, to Munich, Germany, for a six year tour. Their mailing address after April 11 will be: 6666 5th Group, 76th MI Detachment, APO New York, 09108.

**NEWELL L. BUTTIF** married Marilyn G. Thomas January 20th. The couple took a two week trip to Argentina. Newell works as coordinator of continuing education at IBM in Oswego, New York. He holds a master's degree from Emory College.

**MIAN M. KOFMAN** lives in Dead River Ranch, Elmore, Alabama, with his wife and four children. Aside from working for the U. S. Treasury as a criminal investigator, he operates a cattle ranch in west Alabama.

**GLYN L. WOOLTON** has been promoted to vice president of loans at Farmers Bank & Trust Company, Hanover, Pennsylvania. He has rapidly progressed in loan management from consumer manager to his present position. He and his wife, the former Mary Ann MAS '66, and three children live at Hanover, Pa. #1.

**THELMA AND ANN RY** (McCAVRELL) announce the birth of a baby girl, Sarah Grace, born on November 11th. The couple owns his own photography studio. Ann is a substitute teacher in Keystone Central District. Their first daughter, Cy, is in first grade.

**JOHN R. MISTER** and his wife, the former LILLIAN MCKEY '65, announce the arrival of another daughter, Jennifer, born September 5th. The couple are presently employed as teachers in the Pennsylvania Department of Education in the "T. J. Turner" and "The Mary Sunshine" schools. They are currently shop teachers in the "T. J. Turner" and "The Mary Sunshine" schools. They are currently shop teachers in the "T. J. Turner" and "The Mary Sunshine" schools.

**CAROL NOTT** and her husband, the former CAROL NOTT, are graduates of Main Street United Methodist Church in Columbia, South Carolina. She holds a master's degree in education from the University of South Carolina. She and her husband, Stewart, have two children.

**ANNE PITTINGER** and her husband, the former ANNE PITTINGER, are graduates of Main Street United Methodist Church in Columbia, South Carolina. She holds a master's degree in education from the University of South Carolina. She and her husband, Stewart, have two children.

**RUTH STEVENSON** obtained his master's degree in education from Appalachian State University in August, 1971. He is presently employed at North Mount Senior High School as a teacher.

and head basketball coach. He and his wife Pam, live in North Miami with their three children.

**LARRY E. WIRTH** is an Aerospace Maintenance Officer in the 57th Fighter Weapons Wing of the U. S. Air Force. He is assigned to Tactical Air Command in Las Vegas, Nevada. He recently returned from a tour in Thailand where he performed duties as maintenance officer with the temporarily deployed F-4H fighter bomber aircraft at Nellis Air Force Base, Nevada. The Wirths have two sons.

**LEANOR COLE PRITCHARD** received her Ph.D. in Germanic Philology and Literature in 1972 and as a M. A. in Library Science in January. She has recently been appointed director of the National Library at Haddonfield Public Library, Haddonfield, New Jersey.

**BRUCE BADGER** and his wife, the former MARY BENNETT '66, welcomed the birth of Laura Ruth, born December 4th. Bruce is working for ARA Services, Inc., and is currently resident manager of the housekeeping department of the National Club-Rest Home for the Aged in Washington, D. C. Mary had been working as a programmer for Riggs National Bank in D. C.

**EDWARD A. CRIST** is presently employed as a plant controller for the Electro Refractories and Abrasives Division of Ferro Corporation. Ed and his wife have one daughter. They live in Youngstown, Ohio.

**BARNARD C. TAYLOR's** watercolor, entitled "Medieval Structure", was selected for the Pennsylvania Group Tour by the Old Bergen Art Guild. He is writing as a Director of Publications at Lupton College, and his art is nationally recognized.

**DAVID A. OOT** worked in southern Southeast Asia with the Peace Corps traveling to India, Vietnam and Darang. He is presently at the University of Michigan working on a graduate degree in population planning.

**DON and DEANNA MILLER NOLDER** continue a busy schedule centered around his work as pastor of First United Methodist Church, Montgomery. They have two children, R. Beth, age three, and Martha, age one.

**MICHAEL J. WELMORE** married Claire H. Curtis on January 20, 1972. They reside in East Stroudsburg where Michael is a partner in the law firm of Wetmore and Robinson.

**KATHLEEN COLEMAN ROBINSON** and her husband recently moved to Plymouth from Boston. She works as a medical technologist in the Circulation Laboratory, a part of the Boston City Hospital.

**DIANE and RUTH MOUSER SNEE** live at 7508 Ash in Washington, Pa. Diane now has a little brother Tom as an associate in his dental practice. Diane also finds time to be a volunteer at high school wrestling matches. Beth, in cooperation with her friends, started a child service which is affiliated with the U. S. C. A. They employ two full time teachers, two aides and a director teacher. They also use student help from a local college. Beth plans to graduate in May '73, work at the University of Pittsburgh.

**OSGYN MILLER** received his Masters and Ph.D. in psychology from the University of Tennessee. He is presently employed as an instructor at Sweet Briar College to Assistant Professor at Temple Buell College. His research interests are in behavior modification in natural environment. He has published numerous articles in the field of behavior modification and technology. He lives in Denver, Colorado with his wife Regina, and two sons, Jeffrey.

**AMES C. BARBAR** is presently employed for the Sequela Hospital. He holds a master's degree in Labor and Industrial Relations from the University of Wisconsin. He is currently working on a law degree at the University of South Carolina. He lives in Columbia, South Carolina.

**JOHN and GRETCHEN PASSEL** have moved to a home near the Shockey Mountain. Nelson is a rock handler at the John Robinson at Beth Church. Gretchen is a teacher at the new address at Route 81, Houghton, Tenn. Seymour, Tennessee, 37665. Gretchen is demonstrating Playhouse Toys and the maker and sells stuffed animals.

**JUDITH N. SIEBERT** transferred from the social service department of Wasatch State School to the department of occupational therapy. She teaches self-care, crafts and remedial academic skills to moderately retarded men.

**KESTER T. SOBERS, III**, and his wife, the former JUDITH DOORE, welcomed the birth of their second son, Timothy Andrew, on January 22nd. He joins Michael Jude, age 3. The family lives near Johnstown, Pennsylvania, where Kester is presently pastor of the Sidman-Elton Lutheran Parish.

**PATRICIA LANDESO TERPOLCH** is presently the Director of Social Service at South County Hospital. She handles the social problems of the patients and connected members of the community. She and her husband live in Narragansett, Rhode Island.

**SUSAN SIMMONS TIMMERMAN** received her Master's in Elementary Education from the University of Virginia in 1970. She married Luke in 1971, and they now own a farm near Sodaway, Iowa. Susan is teaching 5th and 6th grade at Red Oak Schools.

**NANCY LUKE** is employed in Bradford County where she teaches kindergarten and a slow third grade. Nancy recently attended the two-day Annual Reading Institute at Temple University.

**DIANE KREIDLER MILLER** is living in Linden, Pennsylvania, with her husband, Dorland, and their two sons, Brian and Barry.

**KATHLEEN CORSON MASTEN** received her Master's Degree in math in 1969 and completed her Doctorate study in 1972, both at Rensselaer Polytechnic Institute. She and her husband, Frank, live in Watervliet, New York, with their daughter Amy Jo, born in October, 1972.

**DANIEL W. BYTHEWOOD** will receive his Master's Degree in Orthodontics in May, 1973, from Howard University in Washington, D. C. Upon graduation he plans to establish a practice in Long Island, New York, with his wife Alice. He holds the Doctor of Dental Surgery Degree from Howard University where he was also a part time dental school instructor.

**LINDA S. ELMIGER** is working for the Board of Global Ministries as an assistant editor in the Department of Literature while completing her Master's in Teaching from the University of North Carolina, Chapel Hill. In the past three years, Linda has traveled to London, Vienna and England. She is also active in a Demarest, New Jersey, Little Theater Group and has appeared in Gypsy and Dolly, How To Succeed in Business Without Really Trying and Pajama Game.

**WILLIAM J. KOONS** has been named assistant vice president and commercial loan coordinator in the Harrisburg area office of National Central Bank. Bill and his wife live in New Cumberland.

**SUSAN FIELDING ROSE** and her husband, Robert, announce the birth of their second daughter, Amber Leslie, born February 11th.

**HELEN LEHMAN REISTER** and her husband, David, have moved to Beverly, Massachusetts. They welcomed their first baby, a boy, on January 4th.

**FRED O. OLAS** and his wife, HILL, announced the birth of a son, Bryan, born July 12, 1972. Fred is employed by Defense Department's National Security Agency.

**JOHN TROGNER** and his wife, the former RONALD BENNETT '69, announced the birth of a son, Bill Serin, III, born January 15, 1972. They live in Rolling Springs, Pa.

**FRANK RICHMOND** received his Master of Fine Arts Degree from Pennsylvania State University, and is now a Ph.D. candidate in Composition at the University of Pittsburgh on an Assistantship. Besides teaching and studying, he is the official accompanist for the Military Arts Program at the University of Pittsburgh. He is on the staff of the Pratt Institute with the Susquehanna Valley symphony, performing regularly in Blue by Berlin.

**JOSEPH and ELEANOR BEERS ANDERSON** announced the birth of a son, Michael, born February 15. The couple live in Milwahee, Wis., where Joseph is a Vice President of the Commercial United Methodist Church.

**RALPH B. GREENE** exhibited his paintings, drawings and graphs in the Art Center Galleries of Lycom on the 2nd floor of the Lycom Art Center. The showing began February 1st and continues through February 22nd. He is on the staff of the Pratt Institute and lives in Brooklyn, New York.

**ARYL VANDEL POTT** is a voice representative with the New Jersey Bell Telephone Company. Aryl and her husband, Will, are free in the New York City area.

**ANN HIPPEL STEEL** married RUSSELL H. SLOAN '71, born 7th, 1972. The couple live in Red Bank, Pennsylvania.

**LINDA CHRISTINE ROPP** announced her marriage to Thomas C. Chapter. Their ceremony was March 17, 1972. They are living in Hopatcong, New Jersey.

**STEVEN TURNBULL** and his wife Velinda, announce the birth of Matthew Todd, born January 15th. Steven received his master of arts degree in Anthropology from the University of Virginia, August 1972. He is presently an instructor in the Department of Sociology at Old Dominion University. He and his family live at 2143 Dunbar Drive, Virginia Beach, Virginia, 23454. Steven is a city wide public official. Norfolk when he played "It's A Boy" on his 7th floor office window at the College. It was labeled a "new dimension in college graphics".

**JAMES A. PIETROVITO** is a candidate for his Master of Education Degree in Student Personnel Services in Higher Education. He is employed at the University of Vermont as a graduate resident advisor, responsible for a freshmen dorm of 150.

**DARLENE GOODRICH DAVES** is a part-time graduate student at the University of Maryland, working for a Master of Arts Degree. She has been substituting for a year and a half, and has recently received a permanent position in Rochester City School District as an elementary school teacher.

**JEANNE A. SAKAL** became Mrs. N. Edward Heiselman following their marriage ceremony in the Zion Lutheran Church, Hummelstown, Pennsylvania, February 19th. She and her husband reside in Silver Spring, Maryland.

**CHARLES KAUFFMAN** and his wife, the former MARILYN MICELI, live in Columbia, Maryland. Chip works as a language analyst for the National Security Agency. He received his Master's Degree in Slavic Linguistics in June, 1972, from the University of Pennsylvania.

**RUTH HACKLEY** and J. MICHAEL LOVETT '71 were married October 28th. Ruth took a course at the Institute for Paralegal Training in Philadelphia, and is presently working for a law firm in Cleveland, Ohio. Mike is a graduate student at Kent University.

**ELMER R. LOSFY JR.**, married Elaine M. Smern on January 27th, 1972, in Sacred Heart Church, Dover, New Jersey. He is currently employed by Morris Hills High School District.

**NORMAN RICHMOND** enlisted in the Army and is serving as a platoon sergeant in West Point, New York, after an assignment with the United States Military Academy Band. He will maintain this position for three years. He had spent his senior year in Rome, Italy, studying piano at St. Cecilia Conservatory of Music as a recipient of the Rotary International Scholarship. He performed in Rome, Terni, Naples and in the King's Palace of Caserta, his mother's hometown.

**FRANK HUGH** and his wife, the former LINDA HUGH '69, are pleased to announce the arrival of their first child, Gregory Ryan, born January 23rd. Jerry works as a public accountant for Lybrand, Ross Brothers and Montgomery, C. P. A. firm in Philadelphia. CHIP and MARILYN HUGH are "Little Greg's" Godparents.

**KATHLEEN H. FRENCH** and MARK P. CONNOR were married December 9th, in the Sacred Heart Church, Bloomfield, Connecticut. Mark is employed by Sage-Alcan Company. They are living in Bloomfield.

**LINDA E. GARDNER** and NORMAN MYERS were recently married. Linda was employed as a teacher by Williamson Area Public Schools. Norm is employed by Miller, Miller and Company, York. The couple are living in York.

**JAMES MARTIN** completed eight weeks of advanced individual training at the U. S. Army Armor Center, Ft. Knox, Kentucky.



# LYCOMING

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COLLEGE REPORT February 1973 Volume 26, Number 4, May and Summer Session Supplement

## May Term 1973—



### MAY 7, 1973

On May 7, 1973 you can begin an exceptional experience at Lycoming College—The May Term

In its second year as a unique opportunity at Lycoming, the *May Term* will again provide students with a challenging array of forty-two specially designed courses for the four-week term. As in the very successful first *May Term* in 1972, many non-traditional courses have been designed and have such diverse topics as Dietrich Bonhoeffer, thought transference, astronomy, philosophy of law, and Roku

Newly designed courses to be offered have such varied titles as "The Character of Physical Law," "Fisheries Management," "Creative Advertising," "The Cosmic Theatre," "Futurism," "Issues in Contemporary Feminism," "Human Sexuality," "Writer's Seminar," "Strategy and Politics in the Twentieth Century," and "Human Sexual Behavior."

Back by popular demand from 1972 *May Term* are such courses as "Accounting Opinions of the APB-AICPA," "Introduction to Photography," "Managing the Small Business," "Field Ornithology," "Indian Archeology," "History of Utopias in America," "Urban Problems," and "Speleology."

A number of *May Term* courses will be conducted off-campus both in the United States and abroad. "London In May" will explore the arts emphasizing attendance at plays, concerts, operas, and ballets plus meetings with performers, conductors, directors, actors, and teachers and tours of galleries, museums, and other points of interest. The second "Cultural Tour of the U. S. S. R." will again enable students to experience Russian culture in visits to Moscow, Leningrad, Novgorod, Kiev, the Crimea and possibly Yerevan, capital of Armenia. S. R. The new "Cultural Tour of Germany" will provide the same type of total immersion experience to enable students to improve their language skills and better understand the people, history, and culture of Germany.

This *May Term* the "Introduction to Marine Biology and Biological Oceanography" course will be based at the Bermuda Biological Station for Research, St. Georges. The Virgin Islands will be the site of

a course on literature which uses the sea or tropical islands as its setting and seems to have certain predominate themes.

The tri-cultural community of Northcentral New Mexico will be home again for the "Field Experience in Sociology-Anthropology" group as they combine cultural anthropological and sociological field methods to learn how to analyze a community in depth. "The Washington Minimester: A Course in Practical Politics" will analyze the workings of our national government first-hand by meeting people working on all levels within and tangential to the government.

Several courses of particular interest to future teachers or those working for certification are available in the *May Term*. The education department offers "The Psychology and Teaching of Reading in the Elementary Schools," "Teaching Reading Skills in Secondary Schools" and "Science, Health, Safety, and Physical Education." "Elementary Geometry," designed primarily for elementary teachers, and "Mathematics for the Elementary Teacher" are being offered by the math department, while the psychology department has "Behavior Modification Techniques with Children" and "Educational Psychology."

*May Term* classes, which start on May 7th and continue daily until June 1st, will meet at 9:00 a. m. or 1:00 p. m. unless scheduled to meet on some "arranged" basis. A student may take one of the forty-two *May Term* courses.

### JUNE 11, 1973

An additional thirty-four special courses will be offered during the six-week *Summer Session* from June 11th to July 20th. Wonderful opportunities are available for each student to take one or two courses with classes scheduled at 9:00 and 10:00 a. m., 6:00 p. m., or as arranged.

Courses of particular interest to future teachers or those working for certification include: "Field Biology for Teachers," "Introduction to the Study of Education," "Language Arts and Arithmetic," "Teaching Social Studies in the Elementary School," "Pennsylvania History," "Philosophy of

## An Exceptional Experience!

Education," "Curriculum Improvement in the Schools," "Developmental Psychology" and "Educational Psychology."

Businessmen, management personnel in industry, and many "laymen" will be interested in "Elementary Accounting Theory," "Federal Income Tax Accounting and Planning," "Managerial Accounting" and "Statistics Applied to Business."

Those interested in the arts can choose from "Crafts I or II," "Painting I, II, or III," and "Introduction to Photography."

Two summer courses will involve off-campus study. "Archeology in Israel" and "Indian Archeology" at a Williamsport area site.

Courses of general interest include: "Principles of Biology-10 and 11," "History of the Modern World (1815-19)," "Introduction to Statistics," "Ethics," "Introduction to Philosophical Problems," "Introductory Psychology," "Sensory Experimental Psychology," "Personality Theory," "Psychology of Religion," "Marriage and the Family," "Advanced Techniques of Play Production" and "Criminology."

### A BARGAIN AGAIN IN EDUCATION

Tuition is again \$150 per (unit) course for the *May Term* and the *Summer Session*—a greater bargain than ever. This reduced rate is to encourage both full-time regular students and part-time students to attend one or both special terms.

In a period of ten weeks of instruction (eleven calendar weeks) you can earn credit for up to three unit courses—the equivalent of twelve-semester hours of credit under a "course-credit" system) at a cost of only \$450.00 for tuition, a savings of over forty-five percent. Room costs will be \$50 for the *May Term* and \$75 for the *Summer Session*. Board will be \$75 for *May Term* and \$90 for *Summer Session*.

Why not attend the *May Term*, the *Summer Session*, or both? Pick one, two, or three courses from the seventy-six exceptional opportunities on the following pages and use the application provided.



# 1973 MAY TERM AND SUMMER SESSION

## COURSES FOR MAY TERM 1973

### ACCOUNTING 60 - Opinions of the Accounting Principles Board of the American Institute of CPAs.

A seminar course for accounting majors with library assignments to gain a workable understanding of the highly technical opinions of the Accounting Principles Board. One term paper is required with group discussion replacing examinations. **Richmond. 9 a.m. Cost \$10.**

### ACCOUNTING 61 - Internship.

Internship program with a firm of Certified Public Accountants. **Richmond. Time: Arranged.**

### ART 61 - Pottery (Raku)

Clay formulation; handbuilding and wheel throwing techniques for forming clay; glaze formulation; firing and kiln procedures. The course will stress forming and finishing of glaze and primitive stoneware fired pottery. **Amelgh. 9 a.m. Materials Fee \$10.**

### ART 63 - Introduction to Photography.

Course is designed to coordinate and develop basic classroom skills with a sense of the creative and aesthetic points of view of the medium. In developing this skill and sensitivity, emphasis is placed upon picture quality and a comprehensive awareness of light. The work of master photographers will be viewed as an aid toward understanding the potentials of the art. The May term offers the advantage of being able to plan several day and weekend outings and to monitor individual development in a more constant relationship. **Limited to 20 students.**  
**Wild. 9 a.m. Lab Fee \$10, plus student's own 35mm camera. Costs of film, paper, etc., between \$50 and \$100.**

### BIOLOGY 61 - Introduction to Marine Biology and Biological Oceanography in Bermuda.

An investigation into some of the basic characteristics of the marine habitat and its organisms. Although the course will emphasize biological oceanography, consideration will be given to the physical and chemical characteristics of the ocean (waves, salinity, currents, temperature) and methods of oceanographic sampling. Offered at the Bermuda Biological Station for Research, St. Georges, Bermuda, and will include extensive laboratory and field work including diving. **Sherrine. Total cost \$500-\$600.**

### BIOLOGY 62 - Field Ornithology.

Discussions and readings will consider the systematics of birds, their anatomical and physiological adaptations, and their natural history—stress the contributions ornithology has made to the areas of animal behavior, evolution and speciation, migration and orientation. Most of the lab work deals with field identification of birds and with field techniques in ornithology and behavior—including work with auditory and visual displays, territory, my, banding, population studies and the collecting and preparing of museum specimens. **Angstark. Time Arranged.**

### BIOLOGY 63 - Clinical Microbiology.

A rigorous introduction to clinical microbiology with emphasis upon rapid identification of human bacterial pathogens. Laboratory work to include such diagnostic procedures as antibiotic sensitivity testing, serological reactions, aseptic culture techniques and hemolytic reactions. Field trips to several clinical laboratories. **Graded on S/U basis only.**  
**Diehl. Time Arranged.**

### BIOLOGY 64 - Pathobiology.

Thought transference and studies of physiological patterns. Concepts and techniques for thought transference of various types will be examined and selected forms will be approached experimentally to determine whether valid transfer can be demonstrated. Includes such topics as determined by student interest. **Kelley. Time Arranged. Travel costs up to \$40.**

### BIOLOGY 65 - Human Sexuality.

A study of the human being as a sexual organism. Included for study will be such areas as the biology of sex and reproduction, contraception, abortion, venereal diseases, sexual responsibility, sex education and bioethics. Open to all students and recommended for in-service teachers and students contemplating a career in teaching. Does not count towards major. **Graded on S/U basis only.**  
**Green. Time: Late afternoon or evening.**

### BIOLOGY 66 - Fisheries Management.

Survey of the status of some important world fisheries such as Atlantic Salmon, codfish, haddock and halibut.

Techniques of controlling fisheries resources including hatchery utilization, stocking methods, stream improvement, population estimation, gear use and aquaculture will be considered. Field work in stream reclamation at Rock Run, as well as trips to Conowingo Dam, Bellefonte hatchery, Linesville hatchery, and the Cornell Fisheries Museum are scheduled. **Mayers. Time: 9 a.m. Travel Cost \$35-\$40.**

### BUSINESS ADMINISTRATION 60 - Managing the Small Business.

How the potential businessman proceeds in establishing, operating, and profiting from a small business operation. Considered and analyzed are such aspects as marketing, managing, financing, promoting, insuring, establishing, developing, and staffing the small retail, wholesale, service, and manufacturing firm. **Stauffer. Time: Arranged.**

### BUSINESS ADMINISTRATION 64 - Creative Advertising.

A workshop concerned with theme, copy, and effective presentation of advertisements for print media, radio, and direct mail. Limited to 12 students. **Hollenback. Time 9 a.m.**

### CHEMISTRY 61 - Clinical Analysis.

This course is designed for non-chemistry majors, principally medical technologists, who desire one semester of analytical chemistry. Topics include a review of general methods and calculations, solutions and their preparation, volumetric analyses, photometric and potentiometric analyses, and automation of these methods. Prerequisite: Chemistry 2 or 11. **Franz. 9 a.m. Lab Fee.**

### EDUCATION 30 - The Psychology and Teaching of Reading in the Elementary School.

A background course in the psychological, emotional, and physical bases of reading. A study of the learning process as it applies to reading, child development and the curriculum. The development of a reading program from the beginning (readiness) through principles, problems, techniques, and materials used in the total elementary schools. Observation of and participation with superior teachers in elementary schools of the Greater Williamsport Area. Prerequisites: Education 20 and Psychology 38. **Schaeffer. 9 a.m.**

### EDUCATION 42 - Science, Health, Safety and Physical Education.

Science for Elementary Teachers. Science methods and materials interpreting children's science experiences and guiding the development of their scientific concepts. A briefing of the science content of the curriculum, its material and use.

Health, Safety and Physical Education for Elementary Teachers. An introduction to the methods of teaching children's games and dances, first aid, preservation of health, prevention of accidents, and the development of good health habits. Prerequisite: Education 30. **Conrad. 9 a.m.**

### EDUCATION 63 - Teaching Reading Skills in Secondary Schools.

The emphasis is upon secondary reading as a developmental skill area, and the approach is a non-technical presentation of basic skills that can be applied by all teachers to improve reading ability. Attention is given to the special skills required for the individual content areas and the way in which the skills can be taught while teaching a subject matter. The course will include many detailed and specific examples of how to teach reading skills and actual practice in teaching such skills. **Keesbury. Time Arranged.**

### ENGLISH 32 or 41 - Short Fiction or Traditional Themes.

The course will center on literature which uses the sea as a mythical island or setting. Short stories and novellas will be read, perhaps supplemented by a few novels. Object will be study and analysis of the genres conjunctive with exploration of several themes which seem to predominate in sea scenes. Innocence, evil, justice, utopia, etc. Location of course: Virgin Islands. Accommodations on St. John in National Park. **Madden. Total cost about \$400, including tuition.**

### ENGLISH 61 - Writer's Seminar.

This is to be an "open" workshop in the writing of poetry, fiction, and practical criticism—the latter primarily based upon the poetry and fiction produced in the class. Participants will be encouraged to write in all three genres, though they may specialize in one. A "field trip" to New York to hear contemporary writers read their work is distinct possibility. Limited to seven. **Ford. 9 a.m. Costs \$25 for field trip.**

### HISTORY 61 - History of Utopias in America.

A study of utopias and utopian thinking in the United States. The course will review some of the basic utopian literature, including the work of John Humphrey Noyes, Henry Thoreau, Edward Bellamy, and B.F. Skinner. The course will be about equally divided between campus study and two trips. One trip will focus on the Oneida Community with a side trip to Shaker sites. The other trip will focus on Twin Oaks, a Walden Two type community in Virginia. **Piper. 9 a.m. See instructor for estimate of costs.**

### HISTORY 62 - Strategy and Politics in the 30th Century

This course is an examination of the relationship between national policy and military strategy and the problems often encountered in reconciling the two. It will involve an intensive examination of two controversial issues—the German Schlieffen Plan of the First World War and the Anglo-American differences over the "second front" in World War II—and through them deal with such specific issues as the role of military feasibility in military planning, the different approaches of civilians and military men to problems of military strategy, and the consequences of ignoring political factors. The study will be conducted through extensive reading and class discussion and the use of war games. A trip is planned to U.S. Army Military History Research Collection at Carlisle Barracks to examine and make use of the extensive research material available there. **Larson. 8:30-11:30 a.m.**

### MATHEMATICS 50 - Topics in Math.

Open to math majors. For topics, see instructor. **Sauman. 9 a.m.**

### MATHEMATICS 60 - Elementary Geometry.

Course is designed for elementary school teachers, but is open to all students. All aspects of Euclidean Geometry which are needed by elementary school teachers are covered in a modern but informal fashion. Subjects include: geometric objects, measurement, symmetry, similarity, parallels, and coordinate geometry. **Getchell. 9 a.m.**

### MATHEMATICS 61 - Mathematics for the Elementary Teacher.

A study of content, objectives, materials and methods of instruction. The historical development of counting systems, operations in the various sub-systems of the real number system, metric and non-metric geometry, measuring, probability, observations of superior teachers in elementary schools. **Lambert. 9 a.m.**

### PHILOSOPHY 10 - Introduction to Philosophical Problems.

An inquiry, earned on mainly by discussions and short papers, into a few selected philosophical problems. The problems vary with the instructor; typical examples are "What is a scientific explanation?", "Is the standard of conduct relative?", "Is talk about God meaningful?" Readings in philosophical classics and contemporary books and articles. **Griffith. 9 a.m.**

### PHILOSOPHY 57 - Introduction to Philosophy of Law.

An investigation into the relation between the law and standards such as abstract justice, natural rights, social welfare, the moral, good, and social attitudes. Questions which will be of central interest are: "Is there law at all? What are the positive laws of the positive law? What is the rationale of punishment? No prerequisites. **Schoeman. Time Arranged.**

### PHYSICS 60 - The Cosmic Theatre Astronomy.

This course is addressed to those students whose main interests are non-scientific but find the pursuit of knowledge about our universe an intellectual adventure. Although the beauty and elegance of the course cannot be fully appreciated without mathematics, only simple arithmetic and elementary geometry will be used to illustrate the basic concepts. Not only the classical aspects of astronomy will be covered, but some effort will be made to mention the more recent discoveries such as pulsars, quasars, neutron stars, and radio astronomy and radio galaxies. Note: There will be no laboratory with this course. Prerequisites: None above high school algebra and geometry. **Smith. Time Arranged.**

### PHYSICS 61 - The Character of Physical Law.

The course will be developed around seven lectures that Prof. Richard Feynman (A Physics Nobel Laureate) presented at the Mendenhall Lectures at Cornell University several years ago. The course will cover the principles which sweep across the whole range of physical law the mathematical character of the laws,



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the principles of conservation and symmetry, the paradoxes of quantum mechanics, and then try to present insights into how theoretical physicists approach the task of expanding man's knowledge of physics. No prerequisites. No lab. Note: This course will meet the laboratory science distribution requirement.  
Fineman. 9 a.m.

## POLITICAL SCIENCE 62 - The Washington Minuteman A Course in Practical Politics.

How does our government really operate? This is the question which the Washington Minuteman seeks to answer, or, at least, to explore. The course will provide students with an opportunity to observe the workings of our national government at first hand. Students will spend at least three weeks in the nation's capital. During this time, they will come into contact with congressmen, judges, party leaders, presidential assistants, lobbyists, and administrative personnel. They will have an opportunity, in seminars, to discuss as well as to question these officials. The Washington Minuteman is a cooperative endeavor between Lycoming College and The American University. The course is team-taught, but the primary responsibility will rest with the Lycoming Political Science Department. It is hoped that the Washington experience will encourage students to make a permanent commitment to participate in our political life.  
Giglio and Norton (American U.) Time Arranged. Approximately \$230.

## PSYCHOLOGY 10 - Introductory Psychology.

An introduction to the empirical study of human and other animal behavior. Areas considered may include: learning, personality, social, physiological, sensory, cognition and developmental.  
Loomis. 9 a.m.

## PSYCHOLOGY 38 - Educational Psychology.

An introduction to the empirical study of the teaching-learning process. Areas considered may include: educational objectives, pupil and teacher characteristics, concept learning, problem solving and creativity, attitudes and values, motivation, retention and transfer, and evaluation and measurement. Prerequisite: Psychology 10, and Mathematics 5 or consent of instructor.  
Hiscock. 9 a.m.

## PSYCHOLOGY 61 - Behavior Modification Techniques with Children.

Students will study theoretical and practical aspects of the use of behavior modification procedures as a tool to overcome learning and behavior problems of elementary school children. Each student will, under supervision, work with a child in the schools utilizing behavior modification techniques.  
Hunt and O'Brien. Time Arranged.

## PSYCHOLOGY 62 - Human Sexual Behavior.

This is not a "sex-education" course. It is an in-depth investigation of the physiological and behavioral correlates of human sexual behavior and response. The broad questions to be dealt with are: What are the relationships between the physiological mechanisms of sexual behavior and the consequent responses; in what ways do the underlying mechanisms of sexual behavior respond to changes in motivations and perceptions related to sexual behavior; what are the cultural and environmental effects on both the physiological and behavioral correlates of sexual behavior; and, finally, how do human sexual behaviors relate to sexual behavior patterns of the species?  
Brittain. 9 a.m.

## RELIGION 63 - Seminar on the Life, Thought, and Promise of Dietrich Bonhoeffer.

Study will include an investigation of the social, political, and economic situation from which Bonhoeffer came, an examination of his theological ideas and their roots, and speculation on the promise of his ideas for the '70's.  
Neuffer. 1 p.m.

## RUSSIAN 60 - Cultural Tour of the U.S.S.R.

Offered, in conjunction with the Soviet Area Studies Program. Under arrangements with the State Bureau of Tourism of the USSR, the Lycoming Group will visit Leningrad, Moscow, Novosibirsk, and the area around Crimea on the Black Sea and, possibly, the city of Yerevan-capital of the Armenian Soviet Republic which borders on Turkey. The student will have the opportunity to meet informally with Soviet youth, attend theatre performances, visit a factory or a collective farm, go on excursions and sightseeing tours of Hermitage, Winter and Summer Palaces, Moscow, State University, Kremlin, Lenn Mausoleum, Tretyakov Gallery, St. Sophia Cathedral, picturesque Ararat Valley, etc., and hopefully to meet some political officials. It is an invaluable opportunity for any student, Russian-speaking or not, to experience this cultural immersion and learn about the socio-political system that is so radically different from the North American and West European models. Students will be expected to submit written diaries supplemented by photographic reports whenever possible to draw comparisons. In addition, the group will visit West Germany, Denmark, Finland, and Czechoslovakia. Special arrangements can be made for any student wishing to remain in Western Europe for any extended period of time after the trip.

Upon consultation with the respective members of the faculty, the student can obtain course credits from the following departments: Political Science, Sociology, Theatre, Fine Arts, History.  
Winston. Cost: \$700-\$800. Details may be obtained from Mr. Winston.

## SOCIOLOGY 60 - Field Experience in Sociology - Anthropology.

The course involves a sociological analysis of a tri-cultural community (Anglo, Spanish-American, Indian) in Northeastern New Mexico. Both sociological and cultural anthropological field methods are used. Week days spent in the community in interview teams of two to three persons. Saturdays and Sundays are spent in sight-seeing trips in the area including visits to Santa Fe, Los Alamos, Taos, and adjacent Indian pueblos and national parks. Classes and discussion groups are held during the evenings at Ghost Ranch, our place of residence during the four-week period.  
McCrory. Cost \$280.

## SOCIOLOGY 61 - Urban Problems.

Offers in-depth study of one or more urban problems through reading, discussion and one week of field experience in New York City. Registration by consent of instructor.  
Rux. 9 a.m. Cost \$150.

## SOCIOLOGY 62 - Issues in Contemporary Feminism.

An examination of a variety of concerns raised by individuals currently working within the women's movement. Topics discussed will be the nature of sexism; societal conditioning concerning images of women through the family, education and the mass media; relationship of the movement to "New Left" politics; various feminist organizations and their tactics. Readings will be primarily from the feminist press. There will be a four-day trip to New York City to meet with activist groups, visit women's centers and attend a feminist theater production.  
Weitz. 9 a.m. Expenses: \$100 for travel.

## SPECIAL MAY TERM COURSES

The following courses, because they cannot be assigned to a particular department, have been designated as "special" courses and will appear on official transcripts as such.

## SPECIAL 60 - Futurism.

A study of past civilizations and why they died, a review of present-day Western civilization and its future-life or death. Course reviews past history and traditions of some of the great civilizations (Chinese, Egyptian, Greek, and Roman) from the point of view of understanding their disintegration and their ultimate destruction. Course will utilize Arnold Toynbee's *The Study of History* for the purposes of investigating our own Western civilization and to pinpoint its current stage of development. Course will use various other resources, such as *Brave New World*, *Brave New World Revisited*, *The Biological Time Bomb*, *Cybernetics*, and others, as a basis for making assumptions concerning the future. Buckle. Time Arranged.

## SPECIAL 61 - London in May.

Designed for students interested in the arts, this course will emphasize attendance at performances of plays, concerts, operas, and ballets. A minimum of twelve performances is scheduled to be seen. Students will have the opportunity to meet informally with performers, conductors, directors, actors, and teachers. Visits to academies and professional schools will be arranged. There will be opportunity for some travel away from London as well as extensive sightseeing in London to art galleries, museums, etc. Students will be expected to write an evaluative paper based upon viewing and listening to performances, discussions with performers and with faculty instructors.  
Falk and Morgan. Approximate cost \$550.

## SPECIAL 62 - Indian Archeology.

This course is designed to teach the participants the fundamentals of modern archeological research. It will focus mainly on the excavation of an Indian site in the Williamsport area. In addition to field work, there will be class sessions for the purpose of analysis and study of the materials excavated. (Also offered in Summer Session.)  
Lutz. Time Arranged. Approximate cost \$15.

## SPECIAL 66 - Speleology. (Cave Geology)

This course will introduce students to the fundamentals of cave exploration and study. Through field work in caves in West Virginia, the students will have the opportunity to study cave science, cave exploration, and human behavior in caves.  
Bayer and Dart. Cost estimated at \$110.

## GERMAN 62 - A Cultural Tour of Germany.

Art 62 credit may be earned.

This total immersion experience will enable students to improve their language skills and to better understand the people, history, and culture of Germany. Such firsthand experience allows students to achieve a greater understanding of their identity. The area to be visited will be chosen for their cultural and historical importance after consultation with participating students. Visits to major museums and historical sites and to theatre and opera performances will be part of the program. Students will be given considerable freedom to pursue their own interests. Enrollment limited. At least elementary knowledge of German preferred.  
MacKenzie. Cost \$550 minimum.

## SPECIAL STUDENT APPLICATION FOR ADMISSION TO LYCOMING COLLEGE 1973 MAY TERM and/or SUMMER SESSION

Name	_____			Social Security Number	_____	
Home Address	Last	First	Middle	Telephone Number		
	Street	City	State	Zip Code		
Attended Lycoming Before?	From	To	No. Credits Earned	Year Graduated		
Other Colleges Attended				No. Credits Earned	Year Graduated	
Secondary School Attended				Year Graduated		
Course(s) You Wish To Take - May Term				Summer Session		

If admitted to Lycoming College as a result of this application, you will be classified as a Special Student. As a Special Student you are not a degree candidate until reclassified as a regular student. Special Student fees as a Special Student are applicable toward a degree, if the Committee on Admission approves a petition by you for reclassification as a regular student.

Mail to: Director of Admissions  
Lycoming College  
Williamsport, Pa. 17701

## SUMMER SESSION 1973

### ACCOUNTING 10 - Elementary Accounting Theory.

An introductory course in recording, classifying, summarizing, and interpreting the basic business transaction. Problems of classification and interpretation of accounts and preparation of financial statements are studied. An IBM computer is used to solve some of these problems.  
Huber. 10 a.m.

### ACCOUNTING 41 - Federal Income Tax Accounting and Planning.

Analysis of the provisions of the Internal Revenue Code relating to income, deductions, inventory, and accounting methods. Practical problems involving determination of income and deductions, capital gains and losses, computation and payment of taxes through withholding at the source and through declaration are considered. Planning transactions so that a minimum amount of tax will result is emphasized. Prerequisite: Accounting 10 or consent of instructor.  
Huber. 8 a.m.

### ART 20 - Painting I.

An introduction of painting techniques and materials. Coordination of color, value, and design within the painting is taught. Some painting from the figure. No limitations as to painting media, subject matter or style. Prerequisite: Art 15.  
Shipley. 10 a.m. Extra Costs \$35.

### ART 26 - Crafts I.

An introduction to the various craft materials, processes, design problems, and techniques involved in work in such crafts as clay, wood, fiber, metal, and plastics.  
Ameigh. 8 a.m. - Noon.

### ART 30 - Painting II.

Emphasis is placed on individual style and technique. Artists and movements in art are studied. No limitations as to painting media, subject matter, or style. Prerequisite: Art 20.  
Shipley. 10 a.m. Extra Costs \$35.

### ART 36 - Crafts II.

More advanced experimentation with crafts materials, with greater emphasis upon good craftsmanship and aesthetic quality. Prerequisite: Art 26.  
Ameigh. 8 a.m. - Noon.

### ART 40 - Painting III.

Professional quality is stressed. There is some experimentation with new painting techniques and styles.  
Shipley. 10 a.m. Extra Costs \$35.

### ART 59 - Introduction to Photography.

Course is designed to coordinate and develop basic classroom skills with a sense of the creative and aesthetic relationship of view of the medium. In developing this skill and sensitivity emphasis is placed upon picture quality and a comprehensive awareness of light. The work of master photographers will be viewed as an aid toward understanding the potential of the art. The term offers the advantage of being able to plan several day and weekend outings and to monitor development in a more constant relationship. Limited to 20 students.  
Wild. Hours arranged. Lab Fee: \$10. Students furnish own 35mm camera. Anticipated extra costs \$50-100.

### BIOLOGY 3a-Field Biology for Teachers.

A methods course for student preparing to teach biology. Sources and methods of collecting and preserving various plant and animal materials.  
Green. Time arranged. Lab Fee.

### BIOLOGY 10 and 11 - Principles of Biology.

An investigation of biological principles including ecological systems, form and function on selected representative animals and plants, cell theory, molecular biology, reproduction, inheritance, adaptation, and evolution. Biology 10 first three weeks; Biology 11 second three weeks.  
Angstadt and Diehl. 8 a.m. - Noon. Lab Fee.

### BUSINESS 11 - Managerial Accounting II.

The business firm is a decision-making institution adapting to a constantly changing environment. Future administrators and managers are introduced to their stewardship responsibilities by use of accounting and statistical techniques as tools in planning and controlling the organization.  
King. 8 a.m.

### BUSINESS 23 - Statistics Applied to Business.

Techniques of descriptive statistics useful in business administration and economic analysis. Topics covered include: sampling, index numbers, analysis of time series, analysis of variance, and sample survey techniques. Prerequisite: Math. 5.  
Stauffer. Time Arranged.

### EDUCATION 20 - Introduction to the Study of Education.

The social value of public education, the changing conception of the purposes of education, the problems facing the schools, and the fields of professional activity. A study of the economic, social, political, and religious conditions which have influenced the different educational programs and philosophies, with emphasis being placed on the American education system. Not open to freshmen.  
Conrad. 8 a.m.

### EDUCATION 40 - Language Arts and Arithmetic.

Language Arts for Elementary Teachers: This course is designed to consider the principles, problems, materials, and techniques of teaching English, spelling, penmanship, choral speaking, and children's literature. Observation of superior teachers in elementary schools of the Greater Williamsport Area.

Arithmetic for Elementary Teachers: Arithmetic methods and materials. A study of content, objectives, materials, and methods of instruction; the organization of learning experiences, and evaluation of achievement in the elementary school. Observations of superior teachers in elementary schools of the Greater Williamsport Area. Prerequisite: Education 30.  
Schaeffer. 8 a.m.

### EDUCATION 41 - Teaching the Social Studies in the Elementary School.

Studies and experiences to develop a basic understanding of the structure, concepts, and processes of anthropology, economics, geography, history, political science, and sociology as these relate to the elementary school social science curriculum. Practical applications, demonstrations of methods, and the development of integrated teaching units using texts, reference books, films, and other teaching materials. Prerequisite: Education 30.  
Conrad. 10 a.m.

### EDUCATION 50 - Curriculum Improvement in Schools.

A seminar dealing with the process of curriculum improvement and its application to the in-service teacher's area of teaching. Each student, in consultation with the instructor, will build a program for his use, proceeding from objectives through appropriate learning experiences to evaluation. (Open only to teachers in-service or to students who have completed student teaching.)  
Goodman. 10 a.m.

### HISTORY 11 - Modern World (1815 - present)

An examination of the political, social, cultural, and intellectual history of Europe and its relations with other areas of the world from 1815 to the present.  
Larson. 10 a.m.

### HISTORY 50 - Pennsylvania History.

Highlights of local and state history from 1681 to the Present with occasional day trips, (1 per week) to points of historical interest such as battlefields and museums.  
Priest. 8 a.m.

### MATHEMATICS 5 - Introduction to Statistics.

Describing distributions of measurements, probability and random variables, binomial and normal probability distributions, statistical inference from small samples, linear regression and correlation, analysis of enumerative data. Includes laboratory experience with the desk calculator.  
Lambert and Henninger. 8 a.m.

### PHILOSOPHY 10 - Introduction to Philosophical Problems.

An inquiry, carried on mainly by discussions and short papers, into a few selected philosophical problems. The problems vary with the instructor, typical examples are: What is a scientific explanation? Are standards of conduct relative? Is talk about God meaningful? Readings in philosophical classics and contemporary books and articles.  
Griffith. 8 a.m.

### PHILOSOPHY 20 - Ethics.

An inquiry focusing on the question, "What should I do?" and dealing with the content and rationale of the general normative proposals made by egoists, utilitarians, etc., as to how to decide. Usually, a special topic such as legal punishment, human rights, or social justice is examined. Readings in philosophical classics and contemporary books and articles.  
Griffith. 10 a.m.

### PHILOSOPHY 26 - Philosophy of Education.

An examination of the basic concepts involved in thought about education: the main models for viewing the educational process, and some of the competing values and principles which education involves. Typical of the questions discussed are: What is liberal education? Are education and indoctrination really different? Are student freedom and intellectual authority compatible?  
Whelan. Time: Arranged.

### PSYCHOLOGY 10 - Introductory Psychology.

An introduction to the empirical study of human and other animal behavior. Areas considered may include: learning, personality, social, physiological, sensory, cognition and developmental.  
Hurt. 10 a.m.

### PSYCHOLOGY 20 - Sensory Experimental Psychology.

The examination of psychophysical methodology and basic neuropsychological methods as they are applied to the understanding of sensory processes. Prerequisite: Psychology 10, Mathematics 5.  
Brittain. 10 a.m.

### PSYCHOLOGY 22 - Personality Theory.

Theories of Personality. A comparison of different theoretical views on the development and functioning of personality. Examined in detail are three general viewpoints of personality: psychoanalytic, stimulus-response (behavioristic), and phenomenological. Prerequisite: Psychology 10.  
O'Brien. 6-8 p.m.

### PSYCHOLOGY 31 - Developmental Psychology.

A study of the basic principles of early human growth and development. Prerequisite: Psychology 10.  
Loomis. 10 a.m.

### PSYCHOLOGY 38 - Educational Psychology.

An introduction to the empirical study of the teaching-learning process. Areas considered may include: educational objectives, pupil and teacher characteristics, concept learning, problem solving and creativity, attitudes and values, motivation, retention and transfer, and evaluation and measurement. Prerequisite: Psychology 10, and Mathematics 5 or consent of instructor.  
Hancock. 8 a.m.

### RELIGION 58 - Psychology of Religion.

The course is designed to use broad insights of psychology to study and understand religious behavior. Concentration will be made on religious experience or manifestations rather than on concepts. The aim is to arrive at tentative conclusions as to what it means to be religious and what the religious function is in human development.  
Neuffer. 10 a.m.

### RELIGION 59 - Archeology in Israel.

Credit for archeological work in Israel (June 17-August 3 at Tell Gezer) can be gained from Hebrew Union College Biblical and Archeological School as part of Lycoming College's affiliation with the consortium there. Lycoming College makes the air travel arrangements, provides guidance in preparation for the excavation, and serves as the liaison with Hebrew Union College. Total costs for seven weeks of archeological work are \$800 (air fare, tuition, registration, room and board). This credit is transferable as Field Palestinian Archeology in the Department of Religion, as a history course in the Department of History, or as an anthropology course in the Department of Sociology and Anthropology. Additional credit may be earned by making application to the Committee on Independent Studies in any of the above-mentioned areas, plus Art or Political Science, and payment of the appropriate fees. All transfer credit is in religion. Additional credit in departments other than Religion is acquired by applying for Independent Studies in the department of choice. Interested students should contact Dr. David Lutz, Coordinator, Near East Studies Program.

### SOCIOLOGY 20 - Marriage and the Family.

The history, structure, and functions of modern American family life, emphasizing dating, courtship, factors in marital adjustment, and the changing status of family members. Prerequisite: Sociology 10 or consent of instructor.  
McCrary. Time arranged.

### SOCIOLOGY 30 - Criminology.

The nature, genesis, and organization of criminal behavior are examined from both group and individual viewpoints. Juvenile delinquency and the treatment of crime are presented. Prerequisite: Sociology 10 or consent of instructor.  
Rux. 10 a.m.

### SPECIAL 62 - Indian Archeology.

This course is designed to teach the participants the fundamentals of modern archeological research. It will focus mainly on the excavation of an Indian site in the Williamsport Area. In addition to field work, there will be class sessions for the purpose of analysis and study of the materials excavated. (Also offered in May Term.)  
Lutz. Time: Arranged. Approximate cost \$15.

### THEATRE 31 - Advanced Play Production Techniques.

A detailed consideration of the interrelated problems and techniques of play analysis, production styles, and design.  
Falk. Time arranged.

# START YOUR SUMMER AT LYCOMING!





